



a&lgreatlakes  
LABORATORIES

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# Northeast Michigan

## 2018 SOIL TEST DATA SUMMARY

Soil Test	Statistics		Percent Samples by Soil Test Rating				
	Average	Std. Dev.	Very Low	Low	Medium	High	Very High
Organic Matter, %	3.6	7.7	1.5 (<1.0)	54.9 (1.0-2.5)	38.3 (2.5-5.0)	1.9 (5.0-7.0)	3.4 (7.0+)
Phosphorus (P1), ppm	52	41	2.8 <td>11.3 (10-20)</td> <td>15.6 (20-30)</td> <td>29.2 (30-50)</td> <td>41.1 (50+)</td>	11.3 (10-20)	15.6 (20-30)	29.2 (30-50)	41.1 (50+)
Phosphorus (P2), ppm	96	55	1.1 <td>4.0 (14-29)</td> <td>6.6 (29-44)</td> <td>25.7 (44-74)</td> <td>62.6 (74+)</td>	4.0 (14-29)	6.6 (29-44)	25.7 (44-74)	62.6 (74+)
Potassium (K), ppm	149	66					
K, % Base Saturation	4.0	1.8	0.9 <td>6.7 (0.93-1.83)</td> <td>45.1 (1.84-3.67)</td> <td>36.4 (3.68-5.50)</td> <td>11.0<br (&gt;5.50)<="" td=""/></td>	6.7 (0.93-1.83)	45.1 (1.84-3.67)	36.4 (3.68-5.50)	11.0 
Magnesium (Mg), ppm	227	115					
Mg, % Base Saturation	18.1	5.2	0.5 <td>6.1 (5-10)</td> <td>20.7 (10-15)</td> <td>64.5 (15-25)</td> <td>8.2 (25+)</td>	6.1 (5-10)	20.7 (10-15)	64.5 (15-25)	8.2 (25+)
Calcium (Ca), ppm	1610	1163					
Ca, % Base Saturation	72.0	10.2	1.7 <td>5.2 (45-55)</td> <td>49.3 (55-75)</td> <td>36.9 (75-85)</td> <td>6.9 (85+)</td>	5.2 (45-55)	49.3 (55-75)	36.9 (75-85)	6.9 (85+)
pH (1:1)	7.1	0.6	0.2 <td>4.2 (5.1-5.8)</td> <td>36.5 (5.9-6.0)</td> <td>31.7 (7.0-7.5)</td> <td>27.3<br (&gt;7.5)<="" td=""/></td>	4.2 (5.1-5.8)	36.5 (5.9-6.0)	31.7 (7.0-7.5)	27.3 
CEC, meq/100g	10.8	6.3	1.1 <td>31.6 (3.1-8.0)</td> <td>52.8 (8.1-15.0)</td> <td>11.6 (15.1-25.0)</td> <td>2.8<br (&gt;25.0)<="" td=""/></td>	31.6 (3.1-8.0)	52.8 (8.1-15.0)	11.6 (15.1-25.0)	2.8 
Sulfur (S), ppm	12	17.7	0.4 <td>27.3 (4-7)</td> <td>51.5 (8-12)</td> <td>10.9 (13-17)</td> <td>9.7<br (&gt;17)<="" td=""/></td>	27.3 (4-7)	51.5 (8-12)	10.9 (13-17)	9.7 
Zinc (Zn), ppm	5.8	3.6		17.6 <td>30.7 (1.1-2.9)</td> <td>42.8 (3.0-4.9)</td> <td>8.7<br (&gt;10.0)<="" td=""/></td>	30.7 (1.1-2.9)	42.8 (3.0-4.9)	8.7 
Manganese (Mn), ppm	33	12	1.9 <td>7.8 (6-14)</td> <td>17.4 (15-19)</td> <td>68.8 (20-49)</td> <td>3.9<br (&gt;49)<="" td=""/></td>	7.8 (6-14)	17.4 (15-19)	68.8 (20-49)	3.9 
Iron (Fe), ppm	40	25		0.5 <td>0.7 (5-9)</td> <td>79.1 (10-50)</td> <td>19.6<br (&gt;50)<="" td=""/></td>	0.7 (5-9)	79.1 (10-50)	19.6 
Copper (Cu), ppm	2.1	1.7		0.3 <td>26.5 (0.4-1.1)</td> <td>58.9 (1.2-3.0)</td> <td>14.4<br (&gt;3.0)<="" td=""/></td>	26.5 (0.4-1.1)	58.9 (1.2-3.0)	14.4 
Boron (B), ppm	0.9	0.7	12.4 <td>14.6 (0.4-0.5)</td> <td>51.3 (0.6-1.2)</td> <td>19.4 (1.3-2.5)</td> <td>2.1<br (&gt;2.5)<="" td=""/></td>	14.6 (0.4-0.5)	51.3 (0.6-1.2)	19.4 (1.3-2.5)	2.1 
Nitrate (NO <sub>3</sub> -N), ppm	36.3	32.8	4.3 <td>5.4 (5-9)</td> <td>23.7 (10-19)</td> <td>32.3 (20-39)</td> <td>34.4<br (&gt;39)<="" td=""/></td>	5.4 (5-9)	23.7 (10-19)	32.3 (20-39)	34.4 
Ammonium (NH <sub>4</sub> -N), ppm	10.5	19.5	69.0 <td>17.2 (5-9)</td> <td></td> <td></td> <td>13.8<br (&gt;10)<="" td=""/></td>	17.2 (5-9)			13.8 